



463_4.TXT

SEQUENCE LISTING

<110> Joyce, Gerald F.
Breaker\ Ronald R.

<120> ENZYMATIC DNA MOLECULES

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<140> US 09/423,035

<141> 2000-01-13

<150> PCT/US98/08677

<151> 1998-04-29

<150> US 60/045,228

<151> 1997-04-29

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<213> Human Immunodeficiency Virus

<400> 109
cuauaagaug gguga 15

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<210> 110
 <211> 20
 <212> RNA
 <213> Feline infectious peritonitis virus

<400> 110
 uacagcaaca uggggaugg 20

<210> 111
 <211> 18
 <212> RNA
 <213> Feline infectious peritonitis virus

<400> 111
 cauggggaau ggacaggg 18

<210> 112
 <211> 23
 <212> RNA
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<220>
 <223> Synthesized

<400> 112
 caaaauaaaag ggaugaaguc ugg 23

<210> 113
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<220>
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<400> 113
 aaggaaugaa gucuggcucc g 21

<210> 114
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<400> 114
 auaccgcaaa gucuuugaga auu 23

<210> 115
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<400> 115
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<210> 116
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<212> RNA
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<400> 116
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<210> 117
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<400> 117
 ggccuuucac auuguaccgc 20

<210> 118
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 uuguaccgca ucgauaucca c 21

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<400> 119
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<210> 120
 <211> 14
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<220>
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<400> 120
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<220>
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<221> misc_feature
 <222> 1

<223> R= A or G

<400> 121

rggctagcta caacga

16

<210> 122

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<221> misc_feature

<222> 1

<223> R = A or G

<221> misc_feature

<222> 9

<223> H = A, C, or T

<400> 122

rggctagcha caacga

16

<210> 123

<211> 79

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<221> misc_difference

<222> 18

<223> N = Adenosine Ribonucleotide

<400> 123

ctaatacgac tcactatngg aagagatggc gacatctctt cagcgatgca cgcttggttt 60
aatgttgac ccatgtag 79

<210> 124

<211> 75

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 124

gtgccaagct taccgagtaa cttcggtccgg ctccggragat gggtcgtctg tccttccatc 60
tctagttact ttttc 75

<210> 125

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 125

gttgccaagc ttaccgggaa aaatcgttgt agctagccta actaggtcgt ctgtccttcc 60
atctctagtt actttttc 78

<210> 126
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<220>
 <223> Synthesized

<400> 126
 ggaaggacag acgacccatc 20

<210> 127
 <211> 22
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<220>
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<400> 127
 gtgccaaagct taccgggaaa aa 22

<210> 128
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<220>
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<221> misc_feature
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<400> 128
 ggaaggacag acgacctagt tn 22

<210> 129
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<220>
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<400> 129
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<210> 130
 <211> 80
 <212> DNA
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<220>
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<400> 130
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 ccttccagcg gtagagaagg 80

<210> 131
 <211> 77

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthesized

<400> 131
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cccagcggta gagaagg 77

<210> 132
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthesized

<221> misc_feature
<222> (1)...(21)
<223> Positions 1 to 21 are RNA; the rest of the
molecule is DNA

<400> 132
ggaaaaagua acuagagaug gaagagatgg cgac 34